FEB 07 2008 PHANTA TRADE PATIENT INFECTION INFORMATION AND UPDATES DATA 140 **SPECIES REPEAT SEQUENCE DATA 142** PATIENT MEDICAL HISTORY DATA 138 **DNA REGION 3 SEQUENCE DATA 134 DNA REGION 2 SEQUENCE DATA 132** SPECIES/SUBSPECIES PROPERTIES **DNA REGION 1 SEQUENCE DATA 130 INFECTION CONTROL FACILITY 148 HEALTHCARE FACILITY DATA 144 CENTRAL DATABASE 128** DATA STORAGE DEVICE 126 **AND VIRULENCE DATA 136 RAM 120 SEQUENCER 146 SERVER 118 CPU 124 ROM 122 NETWORK 100 LONG TERM CARE FACILITY 110** LOCAL DATABASE DATABASE DATABASE LOCAL LOCAL 115 12 103 LABORATORY 114 **HOSPITAL 102** PHYSICIAN'S **BROWSER BROWSER** OFFICE 106 **BROWSER BROWSER** 116 112

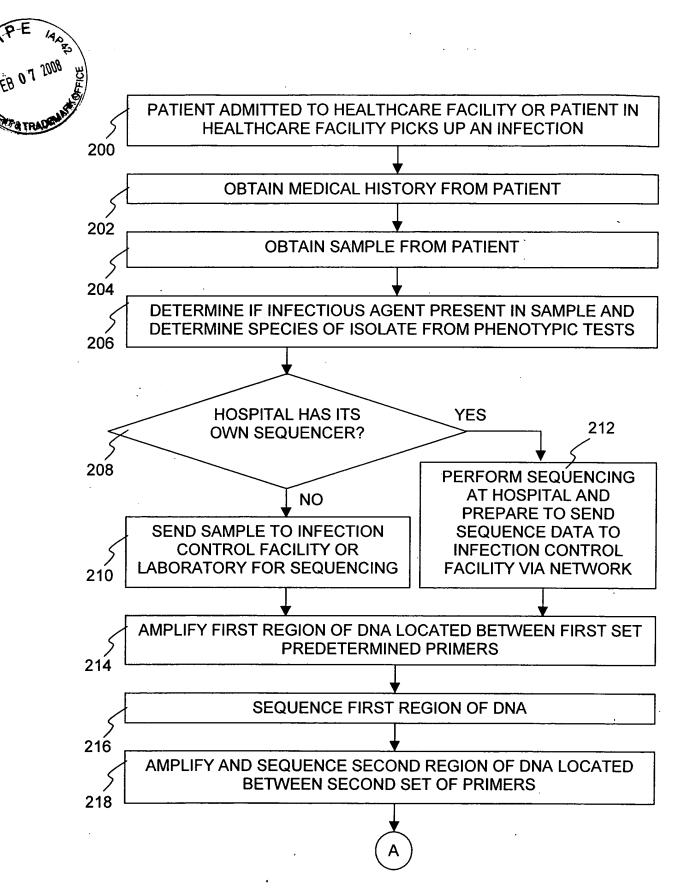


FIG. 2A

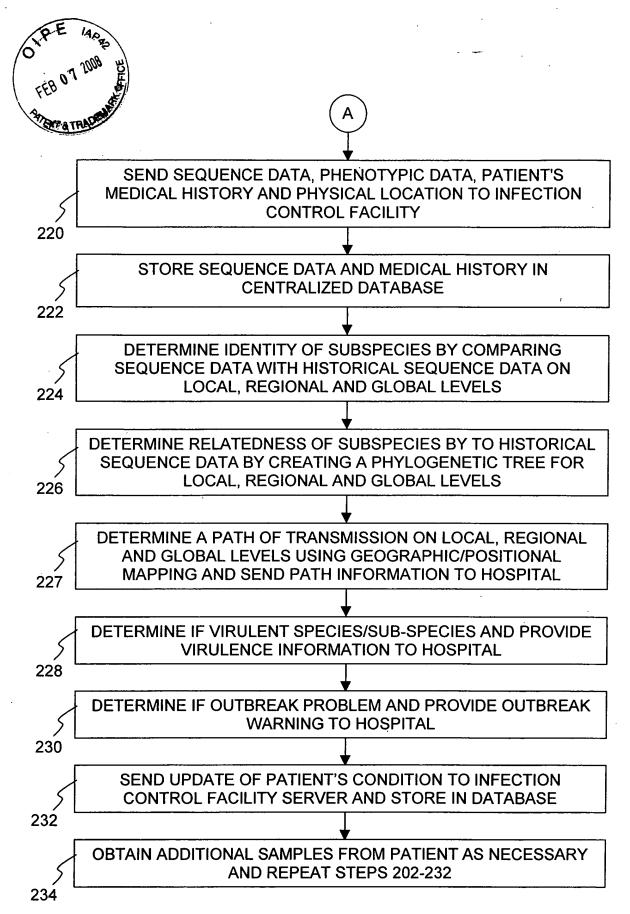


FIG. 2B

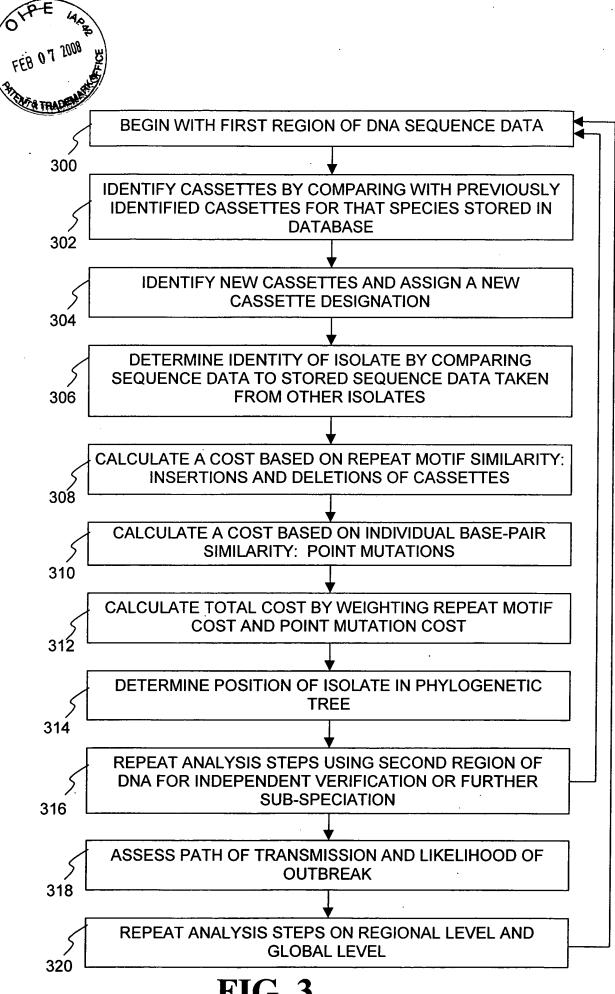


FIG. 3

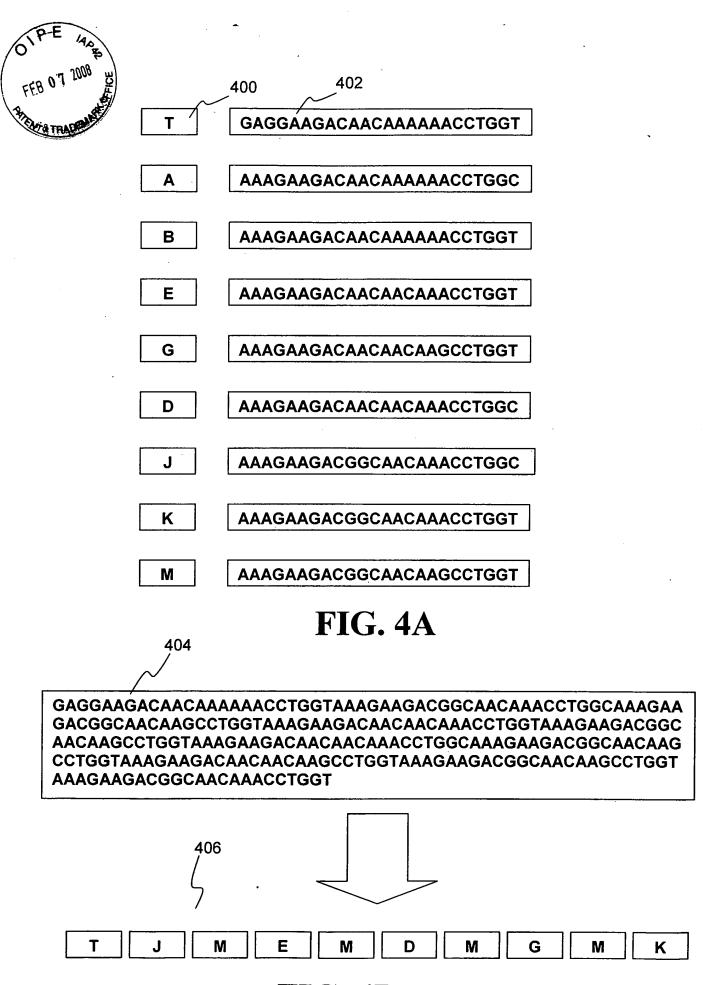


FIG. 4B

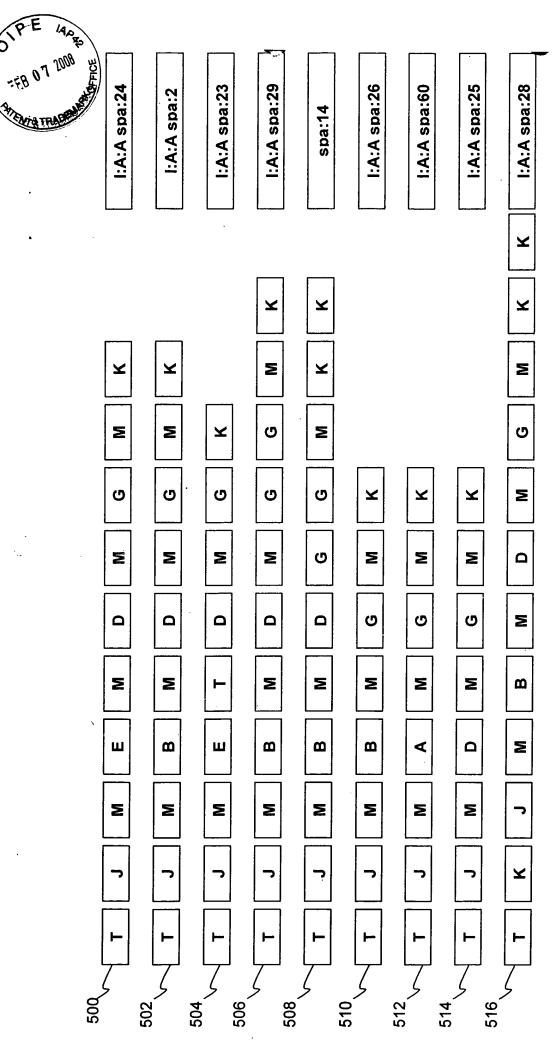


FIG. 5



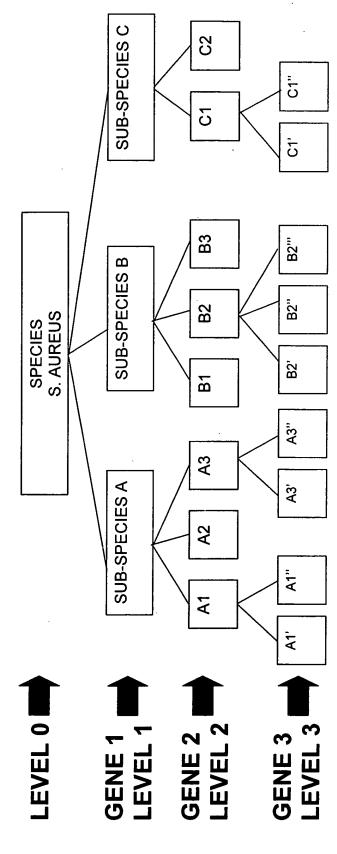


FIG. 6

_	S /		
۶	SPECIES	S. aureus	S. aureus
	SUBSPECIES	A1'	B7"
	SEQ REGION 1	ATTCATAGAT	ATTAATAGAT
	SEQ REGION 2	CGTACTATCC	CGTACTATCC
	SEQ REGION 3	ATTCGTTATA	ATTCGTTATA
	REGION 1 PRIMERS		
	REGION 2 PRIMERS		
	REGION 3 PRIMERS		
	REPEAT MOTIF RGN 1	TKJMP	TKJMP
	REPEAT MOTIF RGN 2	ABABA	ABBBA
	REPEAT MOTIF RGN 3	TYYT	TYYT
	DATE	June 5, 2000	Dec 1, 1999
	PATIENT MEDICAL HISTORY	Hospitalized in New York Hospital, June 2000 for 3 weeks, heart surgery	Hospitalized in Florida in 1996, treated for minor burns
	PATIENT MEDICAL UPDATE INFO	Patient hospitalized 3 weeks for infection and released	Patient died due to infection after two weeks
	LOCATION	Mt. Sinai Hospital, Toronto, Burn Ward	New York City Hospital, ICU

FIG. 7A

S. AUREUS				
SEQ REGION	REPEAT 1	REPEAT 2	REPEAT 3	
PROTEIN A X _R	AATTCGCCTAGG	AATTCCCCTAGG	TAGGCCGT	
REGION 2	TTAAAGGCCTGA	GGTTCCAATAAT	GGTTAACC	
REGION 3				

FIG. 7B